



THE INSTITUTION OF BRITISH TELECOMMUNICATIONS ENGINEERS

(Founded as the Institution of Post Office Electrical Engineers in 1906)

ABBREVIATED LIBRARY CATALOGUE 1970–1985

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1 COMPUTERS—HARDWARE

Talking Computers and Telecommunications	Kuecken J A	1983
Microprocessors: Your Questions Answered	Wood A	1982
Interfacing to Microprocessors and Microcomputers	Bishop O	1982
Digital and Microprocessor Engineering	Cahill S J	1982
Practical Troubleshooting Techniques for Microprocessor Systems	Coffron J W	1981
Microcomputers for Engineers and Scientists	Liu Y C, Gibson G A	1981
The Making of the Micro—A History of the Computer	Evans C	1981
Understanding Microprocessors	Rich L	1981
Understanding Computers—What Managers and Users Need to Know	Walsh M E	1981
The Architecture of Microcomputers	Greenfield S E	1980
Introduction to Minicomputers and Microcomputers	Sloan M E	1980
Computing Science	Morris B D, Palmer D C	1980
Microprocessors and Microcomputers	Huggins E	1979
Computers and Common Sense	Hunt R, Shelley J	1979
Elements of Computer Science	Emery E	1979
A First Course in Computer Technology	Hartley M G, Healey M	1978
Introduction to Microprocessors, Software, Hardware, Programming	Leventhal L A	1978
Computer Architecture	Foster C C	1977

2 COMPUTERS—SOFTWARE

Introducing Artificial Intelligence	Simons G L	1984
Computer for Engineers and Scientists with Fortran 77	McCracken D D	1984
Programming with Graphics	Marshall G	1983
Fun Mathematics on Your Microcomputer	Kosniowski G	1983
Learning to program in 'C'	Plum T	1983
The Sinclair ZX81 Programming for Real Applications	Hurley R	1982
Computing Using Basic—An Interactive Approach	Cope T	1982
Basic for Home Computers. A Self Teaching Guide	Albrecht R	1981
Pascal for Programmers	Eisenbach S, Sadler C	1981
A Bit of Basic	Critchfield M, Dwyer T A	1980
Basic Programming	Kemery J G, Kurtz T E	1980
Principles of Programming: An Introduction with Fortran	James E B	1980
Programming Programmable Calculators	Engelsohn H S	1978
A Structured Programming Approach to Data	Coleman D	1978

3 ELECTRICAL ENGINEERING

J & P Transformer Book	Franklin A C, Franklin D P	1983
Underground Power Cables	King S Y, Halfter N A	1980
Electric Energy: Its Generation, Transmission and Use	Freris L L, Laithwaite E R	1980
Rotating Electric Machinery and Transformer Technology	Richardson D V	1978
Questions and Answers: Electric Motors	Coker A J	1976
Electricity and Magnetism	Yardwood J	1973
Theory and Problems of Electric Circuits	Edminster J A	1972
Electricity Supply	Ferry H	1970
Electrical Installation Technology	Neidre M	1970
Electrical Engineering Principles	Gray B F	1970
Electrical Control Devices	Watts J L	1970

4 ELECTRONICS—COMPONENTS AND CIRCUITS

Analogue and Digital Electronics for Engineers	Spreadbury P J, Ahmed H	1984
Electronics with Digital and Analogue Integrated Circuits	Higgins R J	1983

Power Electronics	Bird B M, King K G	1983
Security Electronics	Cunningham J E	1983
The Physics of Semi-conductor Devices	Fraser D A	1983
Feedback Circuits and Op Amps	Horrocks D H	1983
Solid-State High Frequency Power	Gottlieb I M	1982
Introductory Digital Electronics	Heap N W, Martin G S	1982
Material and Processes in Electronics	Jowett C E	1982
Electronic Equipment Reliability	Cluley J C	1982
Electrical and Electronic Applications	Morris N	1982
Introduction to Electric Circuits	Jackson H W	1981
Introduction to System Design using ICs	Sonde B S	1981
Thyristors—Theory and Applications	Syngandhi K K	1981
Fundamentals of Electronics	Lurch E N	1981
Digital Design with Standard MSI and LSI	Blakeslee T R	1981
Electrical Circuits and Systems	Morris N M	1980
Microelectronics: Digital and Analogue Circuits and Systems	Millman J	1980
Semiconductor Devices and Integrated Circuits	Milnes A C	1980
The Microelectronics Revolution	Forester T	1980
Operational Amplifiers	Clayton C B	1979
Transmission Networks and Circuits	Buckley R V	1979
Electronics for Technicians	Hamilton R	1979
Operational Amplifiers their Principles and Applications	Dance J B	1978
Microelectronics	Scientific American	1978
Solid-State Electronics	Murr L E	1978
Industrial Electronics	Morris N	1978
Introduction to Microelectronics	Roddy D	1978
Fundamentals of Electric Circuits	Bell D A	1978
Beginners Guide to Integrated Circuits	Sinclair I R	1978
50 Field-Effect Transistor Projects	Rayer F G	1977
Logical Design Using Integrated Circuits	Becher W D	1977
Integrated Circuits	Girovic M M	1977
50 Simple LED Circuits	Soar R N	1977
Power-Transistor and TTL Integrated Circuit Applications	Norris B	1977
Beginners Guide to Integrated Circuits	Sinclair I R	1977
Electronics Circuits for Technicians	Temes L	1977
A Practical Introduction to Electronic Circuits	Jones M H	1977
Fundamentals of Solid-State Electronics	Pascol R D	1977
Integrated Circuits: A Users Handbook	Girovic M M	1977
Electronic Meters: Techniques and Troubleshooting	Ritter-Sanders M	1977
Printed Circuit Assembly	Hughes M J, Colwell M A	1976
Practical Solid-State DC Supplies	Towers T D	1976
Basic Integrated Circuit Engineering	Hamilton D J, Howard W G	1975
Basic Electronics Devices, Circuits and Systems	Cirovic M	1975
Complete Guide to Electronic Test Equipment	Douglas-Young J	1975
Switching Circuits for Engineers	Marcus M P	1975
Semiconductor Circuit Elements	Towers T D	1975
Electronic Integrated Circuits, Their Technology and Design	Allison J	1975
Electronic and Switching Circuits	Bozic, Cheng, Parsons	1975
Electrical Principles and Testing Methods	Woodland B	1974
Electronic Troubleshooting	Herrick C N	1974
Noise and Fluctuations in Electronic Devices	Robinson F N H	1974
Piezoelectric Ceramics	Mullard	1974
Field Effect Transistors in Integrated Circuits	Wallmark J T, Carlstedt L G	1974
Elements of Transistor Pulse Circuits	Towers T D	1974
Practical Transistor Circuits for Modern Test Equipment	Babani B B	1974
Digital Electronic Circuits and Systems	Morris N M	1974
Logical Design of Switching Circuits	Lewin D	1974
Illustrations in Applied Network Theory	Rogers F E	1973

An Introduction to the Analysis and Processing of Signals
 Linear Microelectronic Systems
 MOS Integrated Circuits and Their Applications
 Basic Electrical Engineering Science
 Physical and Solid-State Electronics
 Thyristors and Their Applications
 Electronic Component Testing
 Cryo Electronics
 Integrated Circuit Pocket Book
 Techniques of Circuit Analysis
 Introduction to Quantum Electronics
 Solid-State Devices and Applications
 Pulse and Switching Circuit Action
 Power, Diode and Thyristor Circuits
 Transistor Circuits in Electronics

Lynn P A 1973
 Martin A G, Stephenson F W 1973
 Mullard Ltd 1973
 Smith J M, Hone K T 1973
 Kano K 1972
 Atkinson P 1972
 Waller W F 1972
 Jolly W P 1972
 Hibberd R G 1972
 Carter G W, Richardson A 1972
 Hlawiczka P 1971
 Lewis R 1971
 Veatch H C 1971
 Davis R M 1971
 Haykin S S, Barret R, Marcus A 1971
 Garland D J 1970
 Scarlett J A 1970
 Patchett G N 1970
 Eimbinder J 1970
 Scarr R W A 1970
 Kampel I J 1970
 Mullard Ltd 1970
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 Morris N M 1970
 Mitchell B B 1970
 Gronner A D 1970
 Lubelfield J 1970

5 GENERAL

Brain Train—Studying for Success
 Halley's Comet. The Return of
 The Search for our Beginning
 Contact with the Stars
 The Restoration of the Tidal Thames
 London After the Bomb
 The Nuclear Apple and the Solar Orange
 The Works of Isambard Kingdom Brunel
 The Big Bang
 A Historical Introduction to the Philosophy of Science
 Holograms
 The Nuclear Power Decisions
 Scientists and Inventors
 Life on Earth
 Health and Safety
 Safety Science for Technicians
 Evolution
 Sir William Preece FRS: Victorian Engineer Extraordinary
 Sir Charles Wheatstone
 National Giro: Modern Money

Palmer R, Pope C 1984
 Moore P, Mason J 1984
 Hutchinson R 1983
 Brewer R 1982
 Wood L B 1982
 Late Study Group 1982
 Grenon M 1981
 Pugsley A 1980
 Silk J 1980
 Losee J 1980
 Saxby G 1980
 Williams R 1980
 Feldman A, Ford P 1979
 Attenborough D 1979
 Davis K P 1979
 Hackett W J, Robbins G P 1979
 Scientific American 1978
 Baker E C 1976
 Bowers B 1975
 Davies G 1973

6 HOBBIES AND DIY

The Amateur Astronomers Handbook
 Plumbing and Heating Calculations
 Microprocessor for Hobbyists
 Astronomy Data Book

Muirden J 1983
 Hall F 1982
 Coles R 1979
 Robinson J H, Muirden J 1979

Ravensbourne Guide to DIY Central Heating
 The Sports Car
 How to buy Solar Heating without Getting Burnt
 Building Your Own House
 Your Solar Energy Home
 Beginner's Guide to Domestic Plumbing
 How to Build Your Own Electronic and Quartz Controlled Watches and Clocks
 Electrical Installation: Questions and Answers
 Modern Guide to Car Tune Up and Emission Control Servicing
 110 Operational Amplifier Projects for the Home Constructor
 Electrical Installation and Regulations
 Electric Wiring
 104 Easy Transistor Projects You Can Build
 Practical Photographer
 Questions and Answers in Electrical Installation Work
 Electrical Principles for Installation and Craft Students
 Twenty Solid State Projects for the Car Garage

Ravensbourne Heating Ltd 1979
 Campbell C 1978
 Spetgang I, Wells M 1978
 Armor A 1978
 Howell D 1978
 Hall E 1977
 Babini B B 1976
 Neidle M 1975
 Dempsey P 1975
 Marston R M 1975
 Neidle M 1974
 Miller H A 1974
 Brown R M 1973
 Weber E A 1973
 Mee R A 1971
 Birchall G, Stott G S 1971
 Manston R M 1970

7 MANAGEMENT AND BUSINESS

A Guide to a Better Writing in Course Work and Exams
 Pathways to the Information Society
 Communicate: Parkinsons Formula for Business Survival
 Managing Human Resources
 Business Planning and Forecasting
 Information and Communication Theory
 The Theory and Practice of Personnel Management
 Training for Communication
 Project Management doing Network Analysis
 Face to Face
 Executive Aspects of Man Management
 Not for Bread Alone: An Appreciation of Job Enrichment
 Communication and Affect: A Comparative Approach
 Job Evaluation
 The Managers and Training
 Drucker on Management
 Effective MBO
 British Postal Engineering Conference
 Management by Objectives in Action
 Report Writing
 Effective Presentation
 Improving Industrial Communication

Barrass R 1983
 I C C C 1982
 Parkinson C N 1978
 Inbucon Consultants 1976
 Dennis Cooper-Jones 1974
 Rosie A M 1973
 Cumming W M 1973
 Adair J 1973
 Hoare H R 1973
 Torrington D 1972
 Howells G W 1972
 Taylor L K 1972
 Alloway T, Krames L, Pliner P (Ed) 1972
 British Institute of Management 1971
 Munford A 1971
 Drucker P 1971
 Reddin W J 1971
 IPOEE, IME, IEE 1971
 Humble J 1970
 Darbyshire A E 1970
 Jay A 1970
 Irvine A S 1970

8 MATHEMATICS

Applying Mathematics
 Mathematics for Technical Level 2
 Advanced Engineering Mathematics
 Mathematics: An Introduction to its Spirit and Use
 Statistics: Problems and Solutions
 Statistics: The Arithmetic of Decision Making
 An Introduction to Transformational Geometry
 Vector Analysis
 Statistics: A First Course

McDonald J, Huntley L, Burghess D N 1983
 Hancox D J 1982
 Kovach L D 1982
 Scientific American 1978
 Murdoch J, Barnes J A 1973
 Leonard J M 1971
 Eccles F M 1971
 Simons S 1970
 Loveday R 1970

9 MECHANICAL AND CIVIL ENGINEERING

Foundation Engineering for Difficult Subsoil Conditions	Zeevaert L	1983
Aluminium Workshop Practice	Hegmann W	1983
Stirling Engines	Hooper C, Reader G	1983
Heat Pumps	Head R D	1983
Site Surveying and Levelling	Rawlinson H	1983
Building Finishes, Fittings and Domestic Services	Chudley R	1982
Site Investigation Practice	Joyce M D	1982
Designing for Strength	Polak P	1982
The Design of Electrical Services for Building	Porges F	1982
Building Design and Construction Handbook	Merritt F S	1982
Engines, Energy and Entropy	Fenn J B	1982
Heating Ventilation and Air Conditioning	Parker J D, McQuiston F C	1982
Tunnels—Planning Design Construction Volume 1	Bartlett J V, Megaw T M	1981
Mechanical Science for Technicians	McDonagh I	1979
Building Technology	Bowyer J	1978
Electromagnetism for Engineers	Hammond P	1978
Protecting Buildings	Richardson S A	1977
The Building Regulations Explained and Illustrated	Whyte W S, Powell-Smith V	1976
Engineering Measurements	Collett C, Hope A D	1974
Basic Engineering Thermodynamics in SI Units	Joel R	1971
Technical Drawing in Metric Units	Abbott N	1970
Applied Engineering Design and Analysis	Duggan T V	1970

10 MISCELLANEOUS TECHNICAL

Engineering Acoustics and Noise Control	Hemond C J	1983
Basic Robotics Concepts	Holland J M	1983
Integrated Optics: Theory and Technology	Hunsperger R G	1982
Solar Cells	Green M A	1982
Treatise on Solar Energy	Garg H P	1982
Energy	Scientific American	1979
The History of the Telescope	King H C	1979
Handbook of Plastics in Electronics	Grzegorzczak D, Feineman G	1974
Cybernetic Engineering	Young J F	1973
The Complete Cybernaut	Harris A B	1972

11 TELECOMMUNICATIONS

Introducing the Electronic Mailbox	Wilson P A	1983
Telecommunications Primer	Langley	1983
The Data Ring Main. An Introduction to Local Area Networks	Flint D C	1983
Digital Telephony	Bellamy J C	1982
Electronic Communications	Roddy D, Coolen J	1981
The Viewdata Revolution	Malik R, Fedida S	1981
Optical Fibre Communications Systems	Sandbank C P	1980
Optical Fibre Communications	Howes M J, Morgan D V	1980
Digital Systems Principles and Application	Tocci R J	1980
Signalling in Telecommunications Networks	Welch S	1979
Telecommunications Switching Principles	Hills M T	1979
Teletext and Viewdata	Money S A	1979
Private Electronic Switching Systems	IEE	1978
Data Communications	Doll D R	1978
Digital Processing of Speech Signals	Rabiner L R, Schafer R W	1978
Telecommunications Networks	Flood J E (Ed)	1978
Electrical Communications	Meadows R G	1977
Submarine Telecommunication and Power Cables	Barnes C C	1977

Telegraphy	Renton R N	1976
Telecoms Transmission Handbook	Freeman R W	1975
Modern Communications Systems	Coates R W	1975
Data Communications Via Fading Channels	Brayer K (Ed)	1975
Handbook of Data Communications	NCC Publications	1975
The White Noise Book	Tant M J	1974
The Telephone and the Exchange	Povey P J	1974
Telecommunications	Brown and Glazier	1974
Microwave Mobile Communications	Jakes W C	1974
Advanced Communal Telex Service	Renton R N	1974
Teleprinter Handbook	Goacher D J, Denny J G	1973
Telecommunications and Systems Design—Volume 1:	Hills M T, Evans B G	1973
Transmission Systems		
Systems Analysis for Data Transmission	Martin J	1972
Wave Transmission	Connor W R	1972
Beyond Babel: New Directions in Communications	Maddox B	1972
Applications of Queueing Theory	Newell G F	1971
Dictionary of Telecommunications	Bones R A	1970
Notes on Digital Communication	Turin G L	1970
Signal Processing Modulation and Noise	Betts J A	1970
Telecommunications Pocket Book	Squires T L	1970
Introduction to Signal Transmission	Bennett V R	1970

12 TELEVISION AND RADIO

Domestic Video Cassette Recorders	Beeching S	1983
Radio and Television Servicing 1982–83 Models	Wainwright R N	1983
Radio and Television Servicing 1981–82 Models	Wainwright R N	1983
Radio and Television Servicing 1980–81 Models	Wainwright R N	1981
Microwaves	Gupta K L	1980
Radio and Television Servicing 1979–80 Models	Wainwright R N	1980
High Performance Loudspeakers	Colloms M	1980
Microwaves	Baden Fuller A J	1979
Radio and Television Servicing 1978–79 Models	Wainwright R N	1979
Radio and Television Servicing 1977–78 Models	Wainwright R N	1978
Radio Circuits Explained	King G J	1977
Radio and Television Servicing 1973–74 Models	Wainwright R N	1977
Television Video Transmission Measurements	Weaver C E	1977
Repairing Pocket Transistor Radio	Sinclair I R	1977
Radio and Television Servicing 1976–77 Models	Wainwright R N	1977
John Logie Baird: 50 Years of Television	Exwood M	1976
Radio and Television Servicing 1975–76 Models	Wainwright R N	1976
Theory of Waveguides	Lewin L	1975
Radio Amateurs Handbook	Myers R (Ed)	1975
Questions and Answers: Tape Recording	Burnstein H	1975
Radio and Television Servicing 1974–75 Models	Wainwright R N	1975
HI-FI Questions and Answer	Brown C	1974
Radio and Television Servicing 1972–73 Models	Wainwright R N	1973
Beginners Guide to Colour TV	King G J	1973
Radio and Television Audio Test Equipment	King G J	1972
Understanding High Fidelity	Clifford M	1972
TV Technicians Bench Manual	Wilding G R	1972
Radio Control Handbook	McIntee H G	1971
Radio and Television Questions and Answers	Hellyer H W, Sinclair I R	1971
The Radio Universe	Hey J S	1971
The Mazda Book of PAL Receiver Servicing	Seal D J	1971
Pickups and Loudspeakers	Earl J	1971
Radio Transmitters	Stokes V O	1970